

Title (en)

PEDALING TORQUE SENSOR DEVICE FOR EACH CYCLIST'S LEG AND POWER METER APPARATUS

Title (de)

DREHMOMENTSENSORVORRICHTUNG FÜR BEIDE BEINE EINES RADFAHRERS UND LEISTUNGSMESSVORRICHTUNG

Title (fr)

DISPOSITIF DE CAPTEUR DE COUPLE DE PÉDALAGE POUR CHAQUE JAMBE DU CYCLISTE ET APPAREIL DE MESURE DE PUISSANCE

Publication

**EP 2739950 A2 20140611 (EN)**

Application

**EP 12740938 A 20120723**

Priority

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- EP 2012064432 W 20120723

Abstract (en)

[origin: WO2013017465A2] Pedaling torque sensor crank arm (1) for any single cyclist's leg, consisting of a crank arm internally instrumented to know its deflection in the pedaling plane. This crank arm is symmetric with respect to the plane containing the bottom bracket axis (3) and the pedal axis (4) and has two respectively symmetrical straight holes (5, 6) with respect to this plane, longitudinally executed inside the crank arm from its end corresponding to the bottom bracket axis, housing strain gauges (2) attached inside the holes. It is also object of the invention a power meter apparatus (40) comprising two of said pedaling torque sensor, and which incorporates a computing utility for pedaling training, and optionally activated by the cyclist, that generates a warning signal sound whenever this utility detects a negative torque application in one of the cyclist's legs.

IPC 8 full level

**G01L 3/00** (2006.01)

CPC (source: EP US)

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See references of WO 2013017465A2

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